

BILLY L YAU

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FULL STACK WEB DEVELOPER

Passionate and customer-focused full-stack web developer with a background in advanced materials research.
Adept at quickly learning new technology and methods to complete projects with rapid turn-around.
Creative thinker who delivers outstanding results efficiently in both independent and collaborative project settings.

TECHNICAL SKILLS AND QUALIFICATIONS

Javascript ▪ Ruby ▪ HTML5 ▪ CSS3 ▪ Ruby on Rails ▪ PostgreSQL ▪ SQL ▪ MongoDB ▪ Mongoose
Node.js ▪ JQuery.js ▪ AJAX ▪ Git ▪ Express.js ▪ Handlebars.js ▪ Bootstrap ▪ Sass ▪ Ember.js

Native speaker of Cantonese Chinese ▪ Working Knowledge of Mandarin Chinese.

WORK EXPERIENCE

GENERAL ASSEMBLY, Boston, MA

2016

Web Development Immersive

- Completed twelve-week career accelerator program in full-stack web development.
- Defined user stories and develop wireframes to conceptualize user experiences during product development process.
- Tracked development process in both individual and collaborative settings using version control with Git.
- Developed end-to-end web applications using Ruby on Rails, MongoDB, and Express.js framework.
- Leveraged JavaScript library and frameworks to create dynamic front-end to single page web applications.
- Projects:
 - Aceso - physical therapy progress tracking using Ember.js and Ruby on Rails.
 - Nozama - eCommerce site using Express.js.
 - Project Tiger - a to-do list web application using Ruby on Rails and Javascript.

CABOT CORPORATION, Billerica, MA

2011 – 2015

Senior Research Associate

- Assessment new technologies and provided recommendations for customer's product applications.
- Initiated cost analysis and formed recommendations to optimized project funding within departmental budget.
- Wrote and implemented training protocols and safety documentations for new equipment.
- Trained 15 employees in new experimental procedures and technical equipment.

HYBRID SILICA TECHNOLOGIES, INC., Cambridge, MA

2009 – 2010

Materials Engineer

- Led development of new product line of silica based absorbent materials for high sensitivity vapor detection systems.
- Capably Filled multiple roles in a start-up environment, including procurement, lab, and business administrative duties.

DOW CORNING CORPORATION, Midland, MI

2007 – 2009

Associate Development Chemist

- Researched and developed future generation thermal interfacing materials worth 50 million units in sales.
- Delivered 60% reduction in testing time through development of a testing protocol to enable product reliability testing.
- Conducted market analysis that highlighted competitors technologies to identify patent obstacles.

EDUCATION

B.S. Materials Science & Engineering, *cum laude*, CORNELL UNIVERSITY, COLLEGE OF ENGINEERING, Ithaca, NY (2007)